Refine Search

Search Results -

Terms	Documents
('20050151662'| '20040030491')[URPN]	0

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L23

[Refine Search]

[Recall Text] [Clear] [Interrupt]

Search History

DATE: Sunday, March 19, 2006   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR		
L23	('20050151662'| '20040030491')[URPN]	0	L23
L22	('20050151662'| '20040030491')[ABPN1,NRPN,PN,TBAN,WKU]	4	L22
L21	('20050151662'| '20040030491')[ABPN1,NRPN,PN,TBAN,WKU]	4	L21
L20	('20050151662'| '20040030491')[URPN]	0	L20
L19	L17 and (target$ same (beacon$ near4 (multiple or many)))	3	L19
L18	L17 (target$ same (beacon$ near4 (multiple or many)))	83	L18
L17	l16 and ((audio$ or sound$ or audible$ or voice$) same (beacon$ near4 (multiple or many)))	12	L17
L16	(beacon$ near4 (multiple or many)) and target$	273	L16
L15	L14 and (beacon$ near4 (multiple or many)) and target$	0	L15
L14	l12 or L13	9	L14

(beacon$ same (multiple or many) same ((audi$ or sound$) with level$))

L13	and @ad<=20020806	3	L13
L12	L11	6	L12

DB=USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L11	(beacon$ same (multiple or many) same ((audi$ or sound$) with level$)) and @pd<=20020806	6	L11

DB=PGPB,USPT,USOC; THES=ASSIGNEE; PLUR=YES; OP=OR

L10	L9 and (obstruct$ and "line-of-sight")	4	L10
L9	(beacon$ same (audi$ or sound$)) and @ad<=20020806	642	L9
L8	L6 and (obstruct$ and "line-of-sight")	0	L8
L7	L6 and (audio$ with beacon$)	7	L7
L6	(beacon$ same ((audi$ or sound$) with level$)) and @ad<=20020806	38	L6

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L5	L4 and ((audi$ or sound$) with level$)	1	L5
L4	L1 or L3	2	L4
L3	6133867.pn.	1	L3
L2	6133867.pn. L1	2	L2
L1	6490513.pn.	1	L1

END OF SEARCH HISTORY

Hit List

Search Results - Record(s) 1 through 3 of 3 returned.

☑ 1. Document ID: US 20050151662 A1

Using default format because multiple data bases are involved.

```
L19: Entry 1 of 3                        File: PGPB              Jul 14, 2005
```

PGPUB-DOCUMENT-NUMBER: 20050151662
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050151662 A1

TITLE: Avalanche transceiver

PUBLICATION-DATE: July 14, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kashuba, Douglas	St. Albert		CA
Pachal, Edward G.	St. Albert		CA
Pachal, Cynthia G.	St. Albert		CA

US-CL-CURRENT: 340/690; 340/539.1, 702/2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

---

☑ 2. Document ID: US 20040030491 A1

```
L19: Entry 2 of 3                        File: PGPB              Feb 12, 2004
```

PGPUB-DOCUMENT-NUMBER: 20040030491
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040030491 A1

TITLE: Method and arrangement for guiding a user along a target path

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hull, Richard	Bristol		GB

US-CL-CURRENT: 701/207; 701/200

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

DERWENT-ACC-NO: 2005-468030
DERWENT-WEEK: 200548
COPYRIGHT 2006 DERWENT INFORMATION LTD

TITLE: Appts for deploying load to underwater target position with enhanced accuracy and method to control such appts.

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw C |

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |

Terms	Documents
L17 and (target$ same (beacon$ near4 (multiple or many)))	3

Display Format: |- | Change Format

Previous Page   Next Page   Go to Doc#

DOCUMENT-IDENTIFIER: US 20050151662 A1
TITLE: Avalanche transceiver

Abstract Paragraph:
An improved battery-powered device and system for avalanche transceiver rescue. The
device comprises a transmitter, a receiver, microcontroller firmware system,
graphic display, audio speaker and input switches residing in a single portable
housing with a flip lid. When the flip lid is closed, the system transmits a radio
frequency signal at a predetermined interval. When the flip lid is opened, the
system deactivates the transmitter and activates the receiver. The receiver
comprises three mutually orthogonal tuned-coil antennas. The system digitally
processes the received signal strength and polarity of the signal from one or more
of the antennas to guide a user to a transmitting beacon. The antennas are
spatially isolated permitting the use of higher-sensitivity antennas. The system
digitally controls the sensitivity of each antenna enabling scans for signals based
on a specified proximity range to the exclusion of other proximity ranges. The
system also displays an indication when a degraded signal is received as a result
of signal collision from multiple beacons.

Summary of Invention Paragraph:
[0006] Both types of transceivers provide proximity indications derived from the
strength of the received signal which is converted to an intermediate frequency in
the audible range and is routed to a speaker; the louder the volume of the sound,
the closer the target. Additionally, some systems measure the signal strength and
convert the value to either illuminate bars within a bar graph or to display a
distance number. For bar graphs, the more number of bars illuminated, the closer
the target. For distance numbers, the smaller the number, the closer the target.

Summary of Invention Paragraph:
[0009] Using a single-antenna transceiver, a searcher points the device at the
horizon and pans in a 360-degree circle looking for the closest proximity
indication (louder, more bars, lower distance number). The searcher proceeds in the
direction of the closest proximity indication. Because the closest indication
occurs when the device is in 0-degree alignment with the flux line, the searcher is
guided towards the transmitting beacon along the path of the flux line. This path
is curved and is not the shortest path to the target. Also, because the path is
curved, a searcher traveling in a straight line must realign the unit every 5
meters or so by performing another pan.

Summary of Invention Paragraph:
[0021] When multiple beacons are buried, it is possible for the radio signals
transmitted by the beacons to collide. A collision occurs when the signals from two
or more transmitting beacons combine in such a way as to interfere with each other.
Any measurements taken during collisions are unrealiable. If the two signals are
exactly the same frequency and also 180 degrees out of phase, the peaks and valleys
of the signals will combine to wipe out both signals and the receiver will fail to
detect either signal. More commonly, the two signals will have nearly the same
frequency at 457 kHz, although not exact, and will combine partially in phase
resulting in a degraded and/or erratic signal at the receiving antenna.

Summary of Invention Paragraph:
[0022] To assist with locating multiple burials, beacons do not continuously transmit a signal. Rather, a signal is transmitted for only a small portion of every 0.5 to 1.3 second interval. This standard protocol not only reduces battery power consumption but provides a time gap between transmissions for detection of signals from other beacons.

Summary of Invention Paragraph:
[0024] Even when there are no collisions between multiple beacons, locating a second beacon after the first beacon has been located is difficult using the apparatus of Hereford et al. That apparatus provides a masking capability whereby signals outside of a narrow window are ignored. A searcher positions the unit such that the center of the flux line of the second target remains within the search window. If, however, the searcher wanders off of the flux line path, which is frequent given that the path is curved, the appartus loses the second beacon and picks up the stronger first beacon.

Summary of Invention Paragraph:
[0033] The firmware of the present invention digitally processes the received beacon signal to determine the reliability of the signal. When the signal is degraded, a multiple beacon collision indicator is illuminated indicating to a searcher that a signal was received but that it is unreliable. This differs from both types of transceivers in the prior art which display indications as if a valid signal had been received.

Detail Description Paragraph:
[0051] The preferred embodiment contains a speaker 7, operably connected to the microprocessor 11. The firmware synthesizes audio indications using the standard pulse width modulation (PWM) capability of the microprocessor 11. During the display of distance and/or alignment indications, an audio tone is emitted the pitch of which varies according to the signal received. The audio indication assigns a higher pitch when the transmission source is closer in proximity and a lower pitch when further away. In multiple beacon scenarios, signals are separated by varying the pitch making it easier to discriminate between beacons. it is easier to discriminate between beacons by varying the pitch rather than the volume.

CLAIMS:

12. An avalanche transceiver as claimed in claim 1, further comprising a visual degraded signal indication which informs a user that a signal has been received but that proximity and/or alignment indications are not reliable because the received signal is degraded, whether caused by collision of signals from multiple beacons or otherwise.

Refine Search

Search Results -

Terms	Documents
L14 and (beacon$ near4 (multiple or many)) and target$	0

Database:

```
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins
```

Search:

```
(beacon$ near4 (multiple$ or many)) and
((navigat$ and path$ or way$ or
direction$) near5 target$) and (audio$
```

[Refine Search]

[Recall Text ⬍]   [Clear]   [Interrupt]

Search History

DATE: Sunday, March 19, 2006   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR			
L15	L14 and (beacon$ near4 (multiple or many)) and target$	0	L15
L14	l12 or L13	9	L14
L13	(beacon$ same (multiple or many) same ((audi$ or sound$) with level$)) and @ad<=20020806	3	L13
L12	L11	6	L12
DB=USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR			
L11	(beacon$ same (multiple or many) same ((audi$ or sound$) with level$)) and @pd<=20020806	6	L11
DB=PGPB,USPT,USOC; THES=ASSIGNEE; PLUR=YES; OP=OR			
L10	L9 and (obstruct$ and "line-of-sight")	4	L10
L9	(beacon$ same (audi$ or sound$)) and @ad<=20020806	642	L9
L8	L6 and (obstruct$ and "line-of-sight")	0	L8

L7	L6 and (audio$ with beacon$)	7	L7
L6	(beacon$ same ((audi$ or sound$) with level$)) and @ad<=20020806	38	L6

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L5	L4 and ((audi$ or sound$) with level$)	1	L5
L4	L1 or L3	2	L4
L3	6133867.pn.	1	L3
L2	6133867.pn. L1	2	L2
L1	6490513.pn.	1	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L14 and (beacon$ near4 (multiple or many)) and target$	0

Database:

```
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins
```

Search:

```
(beacon$ near4 (multiple$ or many)) and
((navigat$ and path$ or way$ or
direction$) near5 target$) and (audio$
```

Refine Search

Recall Text ⬍   Clear   Interrupt

Search History

DATE: Sunday, March 19, 2006   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR		
L15	L14 and (beacon$ near4 (multiple or many)) and target$	0	L15
L14	l12 or L13	9	L14
L13	(beacon$ same (multiple or many) same ((audi$ or sound$) with level$)) and @ad<=20020806	3	L13
L12	L11	6	L12
	DB=USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR		
L11	(beacon$ same (multiple or many) same ((audi$ or sound$) with level$)) and @pd<=20020806	6	L11
	DB=PGPB,USPT,USOC; THES=ASSIGNEE; PLUR=YES; OP=OR		
L10	L9 and (obstruct$ and "line-of-sight")	4	L10
L9	(beacon$ same (audi$ or sound$)) and @ad<=20020806	642	L9
L8	L6 and (obstruct$ and "line-of-sight")	0	L8

L7	L6 and (audio$ with beacon$)	7	L7
L6	(beacon$ same ((audi$ or sound$) with level$)) and @ad<=20020806	38	L6

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L5	L4 and ((audi$ or sound$) with level$)	1	L5
L4	L1 or L3	2	L4
L3	6133867.pn.	1	L3
L2	6133867.pn. L1	2	L2
L1	6490513.pn.	1	L1

END OF SEARCH HISTORY

Hit List

Search Results - Record(s) 1 through 9 of 9 returned.

☐ 1. Document ID: US 4023176 A

Using default format because multiple data bases are involved.
L14: Entry 1 of 9   File: USPT   May 10, 1977

US-PAT-NO: 4023176
DOCUMENT-IDENTIFIER: US 4023176 A

TITLE: Beacon tracking display system

DATE-ISSUED: May 10, 1977

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Currie; Harry A.	Farmers Branch	TX		
Heathcock; William F.	Garland	TX		

US-CL-CURRENT: <u>342/443</u>; <u>342/419</u>, <u>342/446</u>, <u>342/457</u>, <u>342/458</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De

---

☐ 2. Document ID: US 4021807 A
L14: Entry 2 of 9   File: USPT   May 3, 1977

US-PAT-NO: 4021807
DOCUMENT-IDENTIFIER: US 4021807 A

TITLE: Beacon tracking system

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De

---

☐ 3. Document ID: US 4001828 A
L14: Entry 3 of 9   File: USPT   Jan 4, 1977

US-PAT-NO: 4001828
DOCUMENT-IDENTIFIER: US 4001828 A

TITLE: Beacon tracking receiver

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 4. Document ID: US 3247464 A

L14: Entry 4 of 9   File: USOC   Apr 19, 1966

US-PAT-NO: 3247464
DOCUMENT-IDENTIFIER: US 3247464 A

TITLE: Audio amplifier including volume compression means

DATE-ISSUED: April 19, 1966

INVENTOR-NAME: MORRISON WILLIAM B

US-CL-CURRENT: 330/89; 327/330, 330/124R, 330/138, 330/140, 330/142, 381/106

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 5. Document ID: US 3161881 A

L14: Entry 5 of 9   File: USOC   Dec 15, 1964

US-PAT-NO: 3161881
DOCUMENT-IDENTIFIER: US 3161881 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: December 15, 1964

INVENTOR-NAME: Name not available

US-CL-CURRENT: 342/435

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 6. Document ID: US 3108223 A

L14: Entry 6 of 9   File: USOC   Oct 22, 1963

US-PAT-NO: 3108223
DOCUMENT-IDENTIFIER: US 3108223 A

TITLE: Miniature radio beacon apparatus

DATE-ISSUED: October 22, 1963

INVENTOR-NAME: HUNTER BUREN V

US-CL-CURRENT: 455/95; 331/116R, 342/386, 455/108, 455/118, 455/91

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 7.   Document ID: US 2784307 A

L14: Entry 7 of 9   File: USOC   Mar 5, 1957

US-PAT-NO: 2784307
DOCUMENT-IDENTIFIER: US 2784307 A

TITLE: Marker beacon receiver

DATE-ISSUED: March 5, 1957

INVENTOR-NAME: BURTON WILLIAM D

US-CL-CURRENT: 375/216; 340/952, 361/183, 361/184

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 8.   Document ID: US 2489248 A

L14: Entry 8 of 9   File: USOC   Nov 29, 1949

US-PAT-NO: 2489248
DOCUMENT-IDENTIFIER: US 2489248 A

TITLE: Navigation system

DATE-ISSUED: November 29, 1949

INVENTOR-NAME: ABRAHAM WAYNE G

US-CL-CURRENT: 244/186; 244/97, 329/335, 342/410, 455/229

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 9.   Document ID: US 1942327 A

L14: Entry 9 of 9   File: USOC   Jan 2, 1934

US-PAT-NO: 1942327
DOCUMENT-IDENTIFIER: US 1942327 A

TITLE: Radioreceiver

DATE-ISSUED: January 2, 1934

INVENTOR-NAME: DRAKE FREDERICK H

US-CL-CURRENT: <u>455</u>/<u>233.1</u>; <u>455</u>/<u>237.1</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	References	Claims	KWIC	Draw De

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS

Terms	Documents
L12 or L13	9

Display Format: `-` | Change Format |

<u>Previous Page</u>   <u>Next Page</u>   <u>Go to Doc#</u>

Results of Search in 1976 to present db for:
("virtual leader" OR "virtual beacon"): 9 patents.

UK 8/06/2002

guidance signal

A 6965816

PAT. NO.	Title
1 7,009,980 T	Apparatus and method for automatic port identity discovery in hierarchical heterogenous systems
2 6,963,795 T	Vehicle position keeping system
3 6,594,044 T	Apparatus and method for automatic port identity discovery in heterogenous optical communications systems
4 6,175,734 T	Method for acquisition of cell relations in a cellular radiocommunication system
5 5,689,270 T	Navigation and positioning system and method using uncoordinated becon signals
6 5,577,961 T	Method and system for restraining a leader object in a virtual reality presentation
7 5,499,032 T	Navigation and positioning system and method using uncoordinated beacon signals
8 5,280,295 T	Navigation and positioning system and method using uncoordinated beacon signals
9 5,173,710 T	Navigation and positioning system and method using uncoordinated beacon signals

(((**"virtual leader" OR "virtual beacon"**) **AND target?) AND path?**): 0 patents

(("virtual leader" OR "virtual beacon") AND (target? OR path?)): 2 patents.	
1	7,009,980 T Apparatus and method for automatic port identity discovery in hierarchical heterogenous systems
2	6,963,795 T Vehicle position keeping system

63
81

ALLPAT   652
ALLPATFU   654

947
— 942
447
324
331
348

SHOW FILES;DS   10/635069

File   2:INSPEC 1898-2006/Mar W2
            (c) 2006 Institution of Electrical Engineers
File   6:NTIS 1964-2006/Mar W1
            (c) 2006 NTIS, Intl Cpyrght All Rights Res
File   8:Ei Compendex(R) 1970-2006/Mar W1
            (c) 2006 Elsevier Eng. Info. Inc.
File   14:Mechanical and Transport Engineer Abstract 1966-2006/Mar
            (c) 2006 CSA.
File   25:Weldasearch 19662006/Feb
            (c) 2006 TWI Ltd
File   31:World Surface Coatings Abs 1976-2006/Feb
            (c) 2006 PRA Coat. Tech. Cen.
File   33:Aluminium Industry Abstracts 1966-2006/Mar
            (c) 2006 CSA.
File   34:SciSearch(R) Cited Ref Sci 1990-2006/Mar W2
            (c) 2006 Inst for Sci Info
File   35:Dissertation Abs Online 1861-2006/Feb
            (c) 2006 ProQuest Info&Learning
File   36:MetalBase 1965-20060318
            (c) 2006 The Dialog Corporation
File   46:Corrosion Abstracts 1966-2006/Mar
            (c) 2006 CSA.
File   56:Computer and Information Systems Abstracts 1966-2006/Mar
            (c) 2006 CSA.
File   57:Electronics & Communications Abstracts 1966-2006/Feb
            (c) 2006 CSA.
File   60:ANTE: Abstracts in New Tech & Engineer 1966-2006/Mar
            (c) 2006 CSA.
File   61:Civil Engineering Abstracts. 1966-2006/Mar
            (c) 2006 CSA.
File   63:Transport Res(TRIS) 1970-2006/Feb
            (c) fmt only 2006 Dialog
File   64:Environmental Engineering Abstracts 1966-2006/Mar
            (c) 2006 CSA.
File   65:Inside Conferences 1993-2006/Mar 17
            (c) 2006 BLDSC all rts. reserv.
File   68:Solid State & Superconductivity Abstracts 1966-2006/Mar
            (c) 2006 CSA.
File   81:MIRA - Motor Industry Research 2001-2006/Jan
            (c) 2006 MIRA Ltd.
File   87:TULSA (Petroleum Abs) 1965-2006/Mar W1
            (c)2006 The University of Tulsa
File   94:JICST-EPlus 1985-2006/Dec W3
            (c)2006 Japan Science and Tech Corp(JST)
File   95:TEME-Technology & Management 1989-2006/Mar W2
            (c) 2006 FIZ TECHNIK
File   96:FLUIDEX 1972-2006/Mar
            (c) 2006 Elsevier Science Ltd.
File   99:Wilson Appl. Sci & Tech Abs 1983-2006/Feb
            (c) 2006 The HW Wilson Co.
File 103:Energy SciTec 1974-2006/Mar B1
            (c) 2006 Contains copyrighted material
File 104:AeroBase 1999-2006/Jan
            (c) 2006 Contains copyrighted material
File 118:ICONDA-Intl Construction 1976-2006/Feb
            (c) 2006 Fraunhofer-IRB
File 134:Earthquake Engineering Abstracts 1966-2006/Mar
            (c) 2006 CSA.
File 144:Pascal 1973-2006/Feb W3

http://www.dialogclassic.com/main.vmgw   3/19/06

```
                    (c) 2006 INIST/CNRS
File 239:Mathsci 1940-2006/Apr
                    (c) 2006 American Mathematical Society
File 240:PAPERCHEM 1967-2006/Mar W1
                    (c) 2006 Elsevier Eng. Info. Inc.
File 248:PIRA 1975-2006/Feb W3
                    (c) 2006 Pira International
File 293:Engineered Materials Abstracts 1966-2006/Mar
                    (c) 2006 CSA.
File 315:ChemEng & Biotec Abs 1970-2006/Feb
                    (c) 2006 DECHEMA
File 323:RAPRA Rubber & Plastics 1972-2006/Feb
                    (c) 2006 RAPRA Technology Ltd
File 335:Ceramic Abstracts/World Ceramics Abstracts 1966-2006/Mar
                    (c) 2006 CSA.

Set      Items     Description
S1          0      (VIRTUAL? (2N) BEACON?) AND PD<=020806 AND TARGET?
S2          0      AUDIO? AND TARGET?  AND (VIRTUAL? (5N) BEACON?) AND PD<=02-
                   0806
S3          0      AUDIO?  AND (VIRTUAL? (5N) BEACON?)
S4         36      (VIRTUAL? (5N) BEACON?)
S5          0      S4 AND PD<=020806 AND TARGET?
S6          0      S4 AND TARGET?
S7          0      RD   (unique items)
S8         19      RD S4   (unique items)
?
```

4/3,KWIC/1   (Item 1 from file: 2)

08286003✓ INSPEC Abstract Number: C2002-07-7850-004
  Title: Development of a wearable computer orientation system
  Author(s): Ross, D.A.; Blasch, B.B.
  Author Affiliation: Dept. of Veterans Affairs Med. Center, Atlanta VA
Rehab R&D Center, GA, USA
  Journal: Personal and Ubiquitous Computing   vol.6, no.1   p.49-63
  Publisher: Springer-Verlag,
  Publication Date: 2002 Country of Publication: UK
  CODEN: PUCEAN ISSN: 1617-4909
  SICI: 1617-4909(2002)6:1L.49:DWCO;1-S
  Material Identity Number: H792-2002-002
  U.S. Copyright Clearance Center Code: 1617-4909/02/$2.00+0.20
  Language: English
  Subfile: C

  ...Abstract: and interfaces led to the development and evaluation of
three promising wearable orientation interfaces: a virtual sonic beacon
, speech output and a shoulder-tapping system. Street crossing was used as
a critical test...
  ...Identifiers: virtual sonic beacon ;

4/3,KWIC/2   (Item 2 from file: 2)

08044009   INSPEC Abstract Number: C2001-11-3390C-003
  Title: Pheromone robotics ✓
  Author(s): Payton, D.W.; Daily, M.J.; Hoff, B.; Howard, M.D.; Lee, C.L.
  Author Affiliation: HRL Labs., Malibu, CA, USA
  Journal: Proceedings of the SPIE - The International Society for Optical
Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.4195   p.67-75
  Publisher: SPIE-Int. Soc. Opt. Eng,
  Publication Date: 2001 Country of Publication: USA
  CODEN: PSISDG ISSN: 0277-786X
  SICI: 0277-786X(2001)4195L.67:PR;1-W
  Material Identity Number: C574-2001-135
  U.S. Copyright Clearance Center Code: 0277-786X/2001/$15.00
  Conference Title: Mobile Robots XV and Telemanipulator and Telepresence
Technologies VII
  Conference Sponsor: SPIE
  Conference Date: 5-6 Nov. 2000   Conference Location: Boston, MA, USA
  Language: English
  Subfile: C
  ...Abstract: chemical markers used by insects for communication and
coordination, we exploit the notion of a " virtual pheromone," implemented
using simple beacons and directional sensors mounted on each robot.
Virtual pheromones facilitate simple communication and coordination and...

4/3,KWIC/3   (Item 3 from file: 2)

07778044   INSPEC Abstract Number: C2001-01-7850-006
  Title: **Evaluation of orientation interfaces for wearable computers**
  Author(s): Ross, D.A.; Blasch, B.B.
  Author Affiliation: VA Rehabilitation R&D Center, Atlanta, GA, USA
  Conference Title: Digest of Papers. Fourth International Symposium on
Wearable Computers   p.51-8
  Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA
  Publication Date: 2000 Country of Publication: USA   xix+198 pp.
  ISBN: 0 7695 0795 6   Material Identity Number: XX-2000-02419
  U.S. Copyright Clearance Center Code: 0 7695 0795 6/2000/$10.00
  Conference Title: Proceedings of Fourth International Symposium on
Wearable Computers - ISWC
  Conference Date: 16-17 Oct. 2000   Conference Location: Atlanta, GA, USA
  Language: English
  Subfile: C
  Copyright 2000, IEE

  ...Abstract: that resulted from the suggestions of 20 subjects in a
previous study. These were: a virtual sound beacon , digitized speech,
and a tapping interface. Street crossing was used as a critical orientation
situation...
... under all conditions, 2) speech was sometimes confusing and not always
usable, and 3) the virtual beacons were preferred by many for many
situations, but were not usable in very noisy environments...
  ...Identifiers: virtual sound beacon ;

    4/3,KWIC/4   (Item 4 from file: 2)

07251558   INSPEC Abstract Number: B1999-06-7230G-069, C1999-06-6130V-039
  Title: **Real-time hand and head tracking for virtual environments using
 infrared beacons**
  Author(s): Dorfmuller, K.; Wirth, H.
  Author Affiliation: Visual Comput. Dept., ZGDV Comput. Graphics Center,
Darmstadt, Germany
  Conference Title: Modelling and Motion Capture Techniques for Virtual
Environments.. International Workshop, CAPTECH'98. Proceedings   p.113-27
  Editor(s): Magnenat-Thalmann, N.; Thalmann, D.
  Publisher: Springer-Verlag, Berlin, Germany
  Publication Date: 1998 Country of Publication: Germany   ix+271 pp.
  ISBN: 3 540 65353 8   Material Identity Number: XX-1998-03399
  Conference Title: Modelling and Motion Capture Techniques for Virtual
Environments. International Workshop, CAPTECH '98. Proceedings
  Conference Date: 26-27 Nov. 1998   Conference Location: Geneva,
Switzerland
  Language: English
  Subfile: B C
  Copyright 1999, IEE

  Title: **Real-time hand and head tracking for virtual environments using
 infrared beacons**

    4/3,KWIC/5   (Item 5 from file: 2)

06376501   INSPEC Abstract Number: C9611-6130B-013
 Title: CCD-camera based optical beacon tracking for virtual and augmented reality
 Author(s): Madritsch, F.; Gervautz, M.
 Author Affiliation: Inst. of Comput. Graphics, Graz Univ. of Technol., Austria
 Journal: Computer Graphics Forum Conference Title: Comput. Graph. Forum (UK)   vol.15, no.3   p.C207-16
 Publisher: Blackwell Publishers for Eurographics Assoc,
 Publication Date: 1996 Country of Publication: UK
 CODEN: CGFODY ISSN: 0167-7055
 SICI: 0167-7055(1996)15:3L.c207:CBOB;1-0
 Material Identity Number: B332-96003
 Conference Title: European Association for Computer Graphics 17th Annual Conference and Exhibition. EUROGRAPHICS '96
 Conference Sponsor: CNRS; BARCO; Electr. France; et al
 Conference Date: 26-30 Aug. 1996   Conference Location: Poitiers, France
 Language: English
 Subfile: C
 Copyright 1996, IEE
 Title: CCD-camera based optical beacon tracking for virtual and augmented reality

   4/3,KWIC/6   (Item 6 from file: 2)
DIALOG(R)File   2:INSPEC

05839887   INSPEC Abstract Number: B9501-6250F-129
   Title: Virtual beacons for RTI/IVHS data distribution
   Author(s): Wichtel, E.; Akke, M.; Andersson, T.
   Author Affiliation: Telia Res. AB, Malmo, Sweden
   Part vol.1   p.396-400 vol.1
   Publisher: IEEE, New York, NY, USA
   Publication Date: 1994 Country of Publication: USA   3 vol. 1882 pp.
   ISBN: 0 7803 1927 3
   U.S. Copyright Clearance Center Code: 0 7803 1927 3/94/$4.00
   Conference Title: Proceedings of IEEE Vehicular Technology Conference (VTC)
   Conference Date: 8-10 June 1994   Conference Location: Stockholm, Sweden
   Language: English
   Subfile: B

   Title: Virtual   beacons for RTI/IVHS data distribution
   ...Abstract: and introduces a novel access method to extend systems based on short range communication (SRC). Virtual   beacons   use cellular communications for access of data structured as in SRC-systems. An in-vehicle table of virtual   beacon   locations trigger data collection at pre-defined sites (corresponding to data exchange in real SRC-systems at beacon   sites). The concept of virtual   beacons is explained and the implementation with cellular or broadcasting data services is described. A performance...
   ...Identifiers: virtual   beacon   locations

   4/3,KWIC/7   (Item 7 from file: 2)
DIALOG(R)File   2:INSPEC

04418939   INSPEC Abstract Number: C89047469
   Title: Image features as virtual beacons for local navigation
   Author(s): Engel, A.J.
   Author Affiliation: Dept. of Comput. Sci., Brown Univ., Providence, RI,
USA
   Journal: Proceedings of the SPIE – The International Society for Optical
Engineering   vol.1002   p.626-33
   Publication Date: 1989 Country of Publication: USA
   CODEN: PSISDG ISSN: 0277-786X
   Conference Title: Intelligent Robots and Computer Vision
   Conference Sponsor: SPIE
   Conference Date: 7-11 Nov. 1988   Conference Location: Cambridge, MA,
USA
   Language: English
   Subfile: C

   Title: Image features as virtual beacons for local navigation
   Abstract: A technique for dynamic position correction using image
features as   virtual   beacons is described. An algorithm which acquires
new features, computes robot position correction vectors from tracked...
   ...Identifiers: virtual   beacons ;

   4/3,KWIC/8   (Item 8 from file: 2)
DIALOG(R)File   2:INSPEC

0000240015   INSPEC Abstract Number: 1933B02106
   Title: Landing aircraft during fog
   Author(s): Diamond, H.
   Journal: Electronics   6   p.158-161
   Publication Date: June 1933 Country of Publication: UK
   Language: English
   Subfile: B

   ...Abstract: the runway, and by means of a calibrated distance indicator
in combination with two marker beacons , which virtually radiate a wall
of signals in a vertical plane at fixed distances from the landing...

   4/3,KWIC/9   (Item 1 from file: 6)
DIALOG(R)File   6:NTIS

2327649 NTIS Accession Number: ADA436258/XAB
 Eagle Hats Mini-Technology Integration Experiment (TIE)
   (Final rept. Sep 2001-Nov 2004)
   Cohen, P. R.
   Massachusetts Univ., Amherst. Dept. of Computer Science.
   Corp. Source Codes: 010574002; 429683
   Report No.: AFRL-IF-RS-TR-2005-269
   Jul 2005   50p
   Languages: English
   Journal Announcement: USGRDR0524
   The original document contains color images.
   Product reproduced from digital image. Order this product from NTIS by:
phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries);
fax at (703)605-6900; and email at orders@ntis.gov. NTIS is located at 5285

Port Royal Road, Springfield, VA, 22161, USA.
   NTIS Prices: PC A04/MF A01

   Descriptors: *Data   bases;   *Algorithms;   *Simulators;   Terrorists;
Simulation; Intelligence; Two dimensional; Vulnerability; Knowledge based
systems; Terrorism; Virtual reality; Beacons

   4/3,KWIC/10   (Item 2 from file: 6)
DIALOG(R)File   6:NTIS

0406787 NTIS Accession Number: EIS-RI-73-1663-F/XAB
 Providence River and Harbor, Rhode Island
   (Final environmental impact statement)
   Corps of Engineers, Waltham, Mass. New England Div.
   Report No.: ELR-73-1663
   17 Oct 73   173p
   Journal Announcement: GRAI7323
   Supersedes report No. EIS-RI-73-0937-D.
   Order   this   product from NTIS by: phone at 1-800-553-NTIS (U.S.
customers); (703)605-6000 (other countries); fax at (703)321-8547; and
email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road,
Springfield, VA, 22161, USA.
   NTIS Prices: PC E07/MF A01

   ... areas opposite Fuller Rock Light, near the western limit of the
channel, adjacent to Pomham Beacon , and an extensive area virtually the
entire width of the channel from a point 1200 feet to 6500 feet southeast
...

   4/3,KWIC/11   (Item 3 from file: 6)
DIALOG(R)File   6:NTIS

0385423 NTIS Accession Number: EIS-RI-73-0937-D/XAB
 Providence River and Harbor, Rhode Island
   (Draft environmental impact statement)
   Corps of Engineers, Waltham, Mass. New England Div.
   Report No.: ELR-0937
   Apr 73   43p
   Journal Announcement: GRAI7314
   Order   this   product from NTIS by: phone at 1-800-553-NTIS (U.S.
customers); (703)605-6000 (other countries); fax at (703)321-8547; and
email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road,
Springfield, VA, 22161, USA.
   NTIS Prices: PC E02

   ... areas opposite Fuller Rock Light, near the western limit of the
channel, adjacent to Pomham Beacon , and an extensive area virtually the
entire width of the channel from a point 1,200 feet to 6,500...

   4/3,KWIC/12   (Item 1 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)

05851140   E.I. No: EIP01286573593
 Title: Pheromone robotics

Author: Payton, D.; Daily, M.; Hoff, B.; Howard, M.; Lee, C.
Corporate Source: HRL Laboratories LLC, Malibu CA 90265, United States
Conference Title: Mobile Robots XV and Telemanipulator and Telepresence Technology VII
Conference Location: Boston, MA, United States   Conference Date: 20001105-20001106
E.I. Conference No.: 58220
Source: Proceedings of SPIE - The International Society for Optical Engineering v 4195 2001. p 67-75
Publication Year: 2001
CODEN: PSISDG   ISSN: 0277-786X
Language: English

...Abstract: chemical markers used by insects for communication and coordination, we exploit the notion of a " virtual pheromone," implemented using simple beacons and directional sensors mounted on each robot. Virtual pheromones facilitate simple communication and coordination and...

4/3,KWIC/13   (Item 2 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)

05752133   E.I. No: EIP01015468161
 Title: Evaluation of orientation interfaces for wearable computers
 Author: Ross, David A.; Blasch, Bruce B.
 Corporate Source: Atlanta VA Rehab R&D Cent, Atlanta, GA, USA
 Conference Title: 4th Intenational Symposium on Wearable Computers
 Conference Location: Atlanta, GA, USA   Conference Date: 20001016-20001017
 E.I. Conference No.: 57726
 Source: International Symposium on Wearable Computers, Digest of Papers 2000. p 51-58
 Publication Year: 2000
 CODEN: 002736
 Language: English

...Abstract: that resulted from the suggestions of 20 subjects in a previous study. These were: a virtual sound beacon , digitized speech, and a tapping interface. Street crossing was used as a critical orientation situation...

...under all conditions, 2) speech was sometimes confusing and not always usable, and 3) the virtual beacons were preferred by many for many situations, but were not usable in very noisy environments...

4/3,KWIC/14   (Item 3 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)

04520717   E.I. No: EIP96103358034
 Title: CCD-camera based optical beacon tracking for virtual and augmented reality
 Author: Madritsch, Franz; Gervautz, Michael
 Corporate Source: Graz Univ of Technology, Graz, Austria
 Conference Title: Proceedings of the 1996 17th Annual Conference and Exhibition of the European Association for Computer Graphics, EUROGRAPHICS'96

Conference Location: Poitiers, Fr   Conference Date: 19960826-19960830
E.I. Conference No.: 45396
Source: Computer Graphics Forum v 15 n 3 Sep 1996. p 207-216
Publication Year: 1996
CODEN: CGFODY   ISSN: 0167-7055
Language: English

   **Title: CCD-camera based optical beacon tracking for virtual and
augmented reality**

   4/3,KWIC/15   (Item 4 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)

04015725   E.I. No: EIP94122485468
 Title: Virtual beacons for RTI/IVHS data distribution
   Author: Wichtel, Eric; Akke, Magdalena; Andersson, Torbjorn
   Corporate Source: Telia Research AB, Malmo, Sweden
   Conference Title: Proceedings of the 1994 IEEE 44th Vehicular Technology
Conference. Part 1 (of 3)
   Conference Location: Stockholm, Swed   Conference Date: 19940608-19940610
   E.I. Conference No.: 21444
   Source: IEEE Vehicular Technology Conference v 1 1994. IEEE, Piscataway,
NJ, USA,94CH3438-9. p 396-400
   Publication Year: 1994
   CODEN: IVTCDZ   ISSN: 0740-0551
   Language: English

   Title: Virtual beacons for RTI/IVHS data distribution
   ...Abstract: and introduces a novel access method to extend systems based
on Short Range Communication (SRC). Virtual beacons use cellular
communications for access of data structured as in SRC-systems. An
in-vehicle table of virtual beacon locations trigger data collection at
pre-defined sites (corresponding to data exchange in real SRC-systems at
beacon sites). The concept of virtual beacons is explained and the
implementation with cellular or broadcasting data services is described. A
performance...
   Identifiers: Virtual beacons ; Short range communication; Intelligent
vehicle highway systems; IR-system Euro-Scout; In vehicle unit

   4/3,KWIC/16   (Item 5 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)

03431396   E.I. Monthly No: EIM9205-025982
   **Title: Integrated communications architecture for Road Transport
Informatics.**
   Author: Wall, Nigel; Freij, Ghassan; Zijderhand, Fred; Rokitansky, Carl
   Corporate Source: BT Labs, Ipswich, Engl
   Conference Title: Vehicle Navigation & Information Systems Conference
Proceedings Part 2 (of 2)
   Conference Location: Dearborn, MI, USA   Conference Date: 19911020
   E.I. Conference No.: 16018
   Source: Proceedings - Society of Automotive Engineers n P-253 pt 2. Publ
by SAE, Warrendale, PA, USA. p 923-928
   Publication Year: 1991
   CODEN: PSOED4   ISSN: 8756-8470   ISBN: 1-56091-191-3
   Language: English

Identifiers: ROAD TRANSPORT INFORMATICS; INTEGRATED COMMUNICATION
ARCHITECTURE; VIRTUAL RTI NETWORK; SHORT RANGE BEACONS ; DYNAMIC ROUTING
GUIDANCE

4/3,KWIC/17   (Item 1 from file: 34)

08029802   Genuine Article#: BN72B   No. References: 13
 Title: **Real-time hand and head tracking for virtual environments using
    infrared beacons**
Author(s): Dorfmuller K (REPRINT) ; Wirth H
Corporate Source: ZGDV COMP GRAPH CTR,VISUAL COMP DEPT, RUNDETURMSTR
    6/D-64283 DARMSTADT//GERMANY/ (REPRINT)
, 1998, V1537, P113-127
ISSN: 0302-9743   Publication date: 19980000
Publisher: SPRINGER-VERLAG BERLIN, HEIDELBERGER PLATZ 3, D-14197 BERLIN,
    GERMANYLECTURE NOTES IN ARTIFICIAL INTELLIGENCE
Series: LECTURE NOTES IN ARTIFICIAL INTELLIGENCE
Language: English   Document Type: ARTICLE   (ABSTRACT AVAILABLE)

 Title: **Real-time hand and head tracking for virtual   environments using
    infrared beacons**

4/3,KWIC/18   (Item 2 from file: 34)

05192084   Genuine Article#: VG164   No. References: 14
 Title: **CCD-CAMERA BASED OPTICAL BEACON TRACKING FOR VIRTUAL AND AUGMENTED
    REALITY**
Author(s): MADRITSCH F; GERVAUTZ M
Corporate Source: GRAZ UNIV TECHNOL,INST COMP GRAPH/A-8010 GRAZ//AUSTRIA/
Journal: COMPUTER GRAPHICS FORUM, 1996, V15, NSICI, PC207-C216
ISSN: 0167-7055
Language: ENGLISH   Document Type: ARTICLE   (Abstract Available)

 Title: **CCD-CAMERA BASED OPTICAL BEACON TRACKING FOR VIRTUAL AND
    AUGMENTED REALITY**

4/3,KWIC/19   (Item 1 from file: 35)

02002572   ORDER NO: AADAA-I1419069
 **Routing in large-scale ad hoc networks based on a self-organizing
 coordinate system**
 Author: Du, Shu
 Degree: M.S.
 Year: 2004
 Corporate Source/Institution: Rice University (0187)
 Source: VOLUME 42/05 of MASTERS ABSTRACTS.
          PAGE 1748. 64 PAGES

    ...is a hybrid of the current proactive and reactive routing
mechanisms. This scheme uses proactive beaconing messages to build a

virtual hierarchical coordinate system in an ad hoc network and thereafter uses reactive routing maintenance techniques...

☐ | Generate Collection | | Print |

L1: Entry 2 of 6   File: DWPI   Mar 30, 2005

DERWENT-ACC-NO: 2005-468030
DERWENT-WEEK: 200548
COPYRIGHT 2006 DERWENT INFORMATION LTD

TITLE: Appts for deploying load to underwater target position with enhanced
accuracy and method to control such appts.

PATENT-ASSIGNEE: BERNARD F (BERNI)

PRIORITY-DATA: 2004CN-0079194 (March 20, 2000)

| Search Selected | Search ALL | Clear |

PATENT-FAMILY:

	PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
☐	CN 1600640 A	March 30, 2005		000	B63C011/42

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
CN 1600640A	March 20, 2000	2004CN-0079194	

INT-CL (IPC): B63 C 11/42; G06 F 17/00

ABSTRACTED-PUB-NO: CN 1600640A
BASIC-ABSTRACT:

NOVELTY - An equipment used for placing an object to target position under the
water consists of beacon for emitting sound wave, multiple propellers for
controlling the positioning of said equipment to target position and velocimeter
for measuring sound velocity of fluid around the equipment and transmitting sound
velocity data on real time.

ABSTRACTED-PUB-NO: CN 1600640A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/1

DERWENT-CLASS: Q24 T01
EPI-CODES: T01-J;

☐ | Generate Collection | | Print |

L6: Entry 2 of 2   File: USPT   Mar 5, 1996

US-PAT-NO: 5497149
DOCUMENT-IDENTIFIER: US 5497149 A

TITLE: Global security system

DATE-ISSUED: March 5, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fast; Ray	Surrey, B.C.			CA

APPL-NO: 08/392026   [PALM]
DATE FILED: February 21, 1995

PARENT-CASE:
This application is a continuation of application Ser. No. 08/116,077 filed on Sep.
2, 1993, and now abandoned.

INT-CL-ISSUED: [06] G08 G 1/123

US-CL-ISSUED: 340/988; 340/426, 342/457
US-CL-CURRENT: 340/988; 340/426.19, 340/426.28, 340/426.35, 342/457

FIELD-OF-CLASSIFICATION-SEARCH: 340/988, 340/995, 340/574, 340/573, 340/539,
340/989, 340/426, 342/357, 342/457, 379/58, 379/59, 379/37, 379/38, 364/460,
364/499, 307/10.2
See application file for complete search history.

PRIOR-ART-DISCLOSED:

                              U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL | Clear |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4651157	March 1987	Gray et al.	342/450
☐	4750197	June 1988	Denekamp et al.	379/59
☐	5003317	March 1991	Gray et al.	342/457
☐	5053768	October 1991	Dix, Jr.	340/988
☐	5115223	May 1992	Moody	340/539
☐	5117222	May 1992	McCurdy et al.	340/539

☐	5155689	October 1992	Wortham	364/460
☐	5208756	May 1993	Song	342/457
☐	5218344	June 1993	Ricketts	340/539
☐	5223844	June 1993	Mansell et al.	342/357
☐	5264828	November 1993	Meiksin et al.	340/539
☐	5334974	August 1994	Simms et al.	340/988

OTHER PUBLICATIONS

STS Avionic Products Brochure, .COPYRGT.1987.

ART-UNIT: 267

PRIMARY-EXAMINER: Swarthout; Brent A.

ATTY-AGENT-FIRM: Schenck; Paul F.

ABSTRACT:

A system for determining the position of an object to be protected using a local or global positioning system and issuing messages to a monitoring message center at predetermined times and/or at times when the object to be protected is under an alert condition, such as being outside an allowed position zone during a defined time period.

19 Claims, 5 Drawing figures

```
SHOW FILES
File   6:NTIS 1964-2006/Mar W1
         (c) 2006 NTIS, Intl Cpyrght All Rights Res
File   8:Ei Compendex(R) 1970-2006/Mar W1
         (c) 2006 Elsevier Eng.  Info. Inc.
File  25:Weldasearch 19662006/Feb
         (c) 2006 TWI Ltd
File  36:MetalBase 1965-20060318
         (c) 2006 The Dialog Corporation
File  63:Transport Res(TRIS) 1970-2006/Feb
         (c) fmt only 2006 Dialog
File  65:Inside Conferences 1993-2006/Mar 17
         (c) 2006 BLDSC all rts. reserv.
File  81:MIRA - Motor Industry Research 2001-2006/Jan
          (c) 2006 MIRA Ltd.
File  94:JICST-EPlus 1985-2006/Dec W3
         (c)2006 Japan Science and Tech Corp(JST)
File  95:TEME-Technology & Management 1989-2006/Mar W2
         (c) 2006 FIZ TECHNIK
File 266:FEDRIP 2005/Dec
         Comp & dist by NTIS, Intl Copyright All Rights Res
?
```

```
S S2 AND PD<=030228
>>>One or more prefixes are unsupported
>>>  or undefined in one or more files.
>>>File 25 processing for PD=  : PD=030228
>>>    started at PD=19080000 stopped at PD=19920106
>>>File 63 processing for PD=  : PD=030228
>>>    started at PD=DATED stopped at PD=19680517
>>>File 81 processing for PD=  : PD=030228
>>>    started at PD=19390728 stopped at PD=19920325
              7  S2
        1581663  PD<=030228
     S3        0  S2 AND PD<=030228
?
```

```
S S2 AND PY<=2003
Processing
>>>One or more prefixes are unsupported
>>>  or undefined in one or more files.
Processed  10 of  10 files ...
Completed processing all files
                 7  S2
        21072212  PY<=2003
      S4        4  S2 AND PY<=2003
?
```

```
Set      Items    Description
S1          10    VIRTUAL?  (3N) BEACON?
S2           7    RD  (unique items)
```

2/3,KWIC/1   (Item 1 from file: 6)
DIALOG(R)File   6:NTIS
(c) 2006 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

2327649 NTIS Accession Number: ADA436258/XAB
 Eagle Hats Mini-Technology Integration Experiment (TIE)
  (Final rept. Sep 2001-Nov 2004)
  Cohen, P. R.
  Massachusetts Univ., Amherst. Dept. of Computer Science.
  Corp. Source Codes: 010574002; 429683
  Report No.: AFRL-IF-RS-TR-2005-269
  Jul 2005   50p
  Languages: English
  Journal Announcement: USGRDR0524
  The original document contains color images.
  Product reproduced from digital image. Order this product from NTIS by:
phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries);
fax at (703)605-6900; and email at orders@ntis.gov. NTIS is located at 5285
Port Royal Road, Springfield, VA, 22161, USA.
  NTIS Prices: PC A04/MF A01

  Descriptors: *Data bases; *Algorithms; *Simulators; Terrorists;
Simulation; Intelligence; Two dimensional; Vulnerability; Knowledge based
systems; Terrorism; Virtual reality; Beacons

2/3,KWIC/2   (Item 1 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
(c) 2006 Elsevier Eng. Info. Inc. All rts. reserv.

05752133   E.I. No: EIP01015468161
  Title: **Evaluation of orientation interfaces for wearable computers**
  Author: Ross, David A.; Blasch, Bruce B.
  Corporate Source: Atlanta VA Rehab R&D Cent, Atlanta, GA, USA
  Conference Title: 4th Intenational Symposium on Wearable Computers
  Conference   Location: Atlanta,   GA,   USA   Conference   Date:
20001016-20001017
  E.I. Conference No.: 57726
  Source: International Symposium on Wearable Computers, Digest of Papers
2000. p 51-58
  Publication Year: 2000
  CODEN: 002736
  Language: English

  ...Abstract: that resulted from the suggestions of 20 subjects in a
previous study. These were: a virtual sound beacon , digitized speech,
and a tapping interface. Street crossing was used as a critical orientation
situation...

...under all conditions, 2) speech was sometimes confusing and not always
usable, and 3) the virtual beacons were preferred by many for many
situations, but were not usable in very noisy environments...

2/3,KWIC/3   (Item 2 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
(c) 2006 Elsevier Eng. Info. Inc. All rts. reserv.

04520717   E.I. No: EIP96103358034
  Title: **CCD-camera based optical beacon tracking for virtual and augmented**

reality
 Author: Madritsch, Franz; Gervautz, Michael
 Corporate Source: Graz Univ of Technology, Graz, Austria
 Conference Title: Proceedings of the 1996 17th Annual Conference and Exhibition of the European Association for Computer Graphics, EUROGRAPHICS'96
 Conference Location: Poitiers, Fr   Conference Date: 19960826-19960830
 E.I. Conference No.: 45396
 Source: Computer Graphics Forum v 15 n 3 Sep 1996. p 207-216
 Publication Year: 1996
 CODEN: CGFODY   ISSN: 0167-7055
 Language: English

 Title: **CCD-camera based optical beacon tracking for virtual and augmented reality**

   2/3,KWIC/4   (Item 3 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
(c) 2006 Elsevier Eng. Info. Inc. All rts. reserv.

04015725   E.I. No: EIP94122485468
 Title: **Virtual beacons for RTI/IVHS data distribution**
   Author: Wichtel, Eric; Akke, Magdalena; Andersson, Torbjorn
   Corporate Source: Telia Research AB, Malmo, Sweden
   Conference Title: Proceedings of the 1994 IEEE 44th Vehicular Technology Conference. Part 1 (of 3)
   Conference Location: Stockholm, Swed   Conference Date: 19940608-19940610
   E.I. Conference No.: 21444
   Source: IEEE Vehicular Technology Conference v 1 1994. IEEE, Piscataway, NJ, USA,94CH3438-9. p 396-400
   Publication Year: 1994
   CODEN: IVTCDZ   ISSN: 0740-0551
   Language: English

 Title: **Virtual beacons for RTI/IVHS data distribution**
   ...Abstract: and introduces a novel access method to extend systems based on Short Range Communication (SRC). Virtual beacons use cellular communications for access of data structured as in SRC-systems. An in-vehicle table of virtual beacon locations trigger data collection at pre-defined sites (corresponding to data exchange in real SRC-systems at beacon sites). The concept of virtual beacons is explained and the implementation with cellular or broadcasting data services is described. A performance...
   Identifiers: Virtual beacons ; Short range communication; Intelligent vehicle highway systems; IR-system Euro-Scout; In vehicle unit

   2/3,KWIC/5   (Item 1 from file: 63)
DIALOG(R)File   63:Transport Res(TRIS)
(c) fmt only 2006 Dialog. All rts. reserv.

00781181   DA
 TITLE: **IMPLEMENTATION OF A "VIRTUAL BEACON" NETWORK FOR TRAFFIC INFORMATION UTILISING GPS/GSM AND DSRC**
AUTHOR(S): JAMES, L; JONES, S
CORPORATE SOURCE: ORGANIZING COMMITTEE 5TH WORLD CONGRESS, KUSANG BLDG, 4TH FLOOR, 1009-5, DAECHI-DONG KANGNAM-KU, SEOUL, 135-283, KOREA
JOURNAL: TOWARDS THE NEW HORIZON TOGETHER. PROCEEDINGS OF THE 5TH WORLD CONGRESS ON INTELLIGENT TRANSPORT SYSTEMS, HELD 12-16 OCTOBER 1998,

SEOUL, KOREA. PAPER NO. 2051   Pag: -
PUBLICATION DATE: 20980000   PUBLICATION YEAR: 2098
LANGUAGE: English   SUBFILE: IRRD   (I)
IRRD DOCUMENT NUMBER: E103384
ISBN: 89-950073-2-X
DATA SOURCE: Transport Research Laboratory (TRL)

**TITLE: IMPLEMENTATION OF A " VIRTUAL   BEACON " NETWORK FOR TRAFFIC
    INFORMATION UTILISING GPS/GSM AND DSRC**

2/3,KWIC/6   (Item 1 from file: 65)
DIALOG(R)File 65:Inside Conferences
(c) 2006 BLDSC all rts. reserv. All rts. reserv.

00565097   INSIDE CONFERENCE ITEM ID: CN005479540
 Virtual beacons for RTI/IVIIS data distribution
   Wichtel, E.; Akke, M.; Andersson, T.
   CONFERENCE: Vehicular technology-44th Conference
   IEEE VEHICULAR TECHNOLOGY CONFERENCE, 1994; VOL 44/V1 P: 396-400
   IEEE, 1994
   ISSN: 0098-3551 ISBN: 0780319273; 0780319281; 078031929X
   LANGUAGE: English DOCUMENT TYPE: Conference Papers
     CONFERENCE SPONSOR: Institute of Electrical and Electronics Engineers
             Vehicular Technology Society
             Institute of Electrical and Electronics Engineers Swedish
             Section
             Swedish Society of Electrical Engineers
     CONFERENCE LOCATION: Stockholm
     CONFERENCE DATE: Jun 1994 (199406) (199406)
   NOTE:
     In 3 vols; Theme title "Creating tomorrow's mobile systems". Also
     known as VTC 1994. IEEE Cat no 94CH3438-9

   Virtual   beacons   for RTI/IVIIS data distribution

2/3,KWIC/7   (Item 1 from file: 266)
DIALOG(R)File 266:FEDRIP
Comp & dist by NTIS, Intl Copyright All Rights Res. All rts. reserv.

00475996
   IDENTIFYING NO.: 155991; 0031; 508   AGENCY CODE: VA
 Auditory Beacon Localization in a Virtual Environment
   PRINCIPAL INVESTIGATOR: Ross, David A., M.S.E.E.,M.Ed.
   PERFORMING ORG.: Department of Veterans Affairs, Medical Center Decatur,
GA
   SPONSORING ORG.: Department of Veterans Affairs, Research and Development
(15), 810 Vermont Ave. N.W., Washington, D.C. 20420 United States of
America
   DATES: 20031030

   Auditory Beacon Localization in a Virtual Environment
 ?